

DATA FORM ROUTINE WETLAND DETERMINATION

Project/Site:	Kings Beach Cor	nmercial Co	ore Improveme	nt Project	State:	California			
Applicant/Owner:	Placer County De	epartment o	f Public Works	3	County:	Placer			
Investigator(s):	C. Voigt, J. Cook				S/T/R	19/16N/18E			
Date:	09/19/06								
Do normal circumstand	es exist on the site?		✓ YES	NO	Community ID:	Ruderal			
Is the site significantly	disturbed (atypical situa	ıtion)?	YES	✓ NO	Transect ID:	DW-6			
Is the area a potential	oroblem area?		YES	✓ NO	Plot ID:	DP-4			
(If needed, explain b	elow)								
VEGETATION									
Dominant Plant Spec	ine	Strata	% Rel. Cover	Indicator	Associate Plant	Species	Strata	% Rel. Cover	Indicator
Elymus lanceolatus	100	Н	50	NI*	713300late 1 lam	Орсско	Otrata	70 TCI. OOVCI	maicator
Elytrigia repens		Н	50	NI*					
Liytrigia repens		- ''	50	INI					
Percent of dominants	that are OBL, FACW, or	r FAC (exclud	ding FAC-):	0%		Total veg	etation cover	50	%
Morpholo	gical Adaptations					Personal Knowled	ge of Regiona	al Plant Commu	nities
	gical/Reproductive Adar	otations				Technical Literatu			
	oservation of Plant Spec		in Areas of			Other (explain bel			
	nged Inundation/Satura				_	(p	,		
		illori	YES	✓ NO					
	etation Present?			L NO					
Remarks:									
HYDROLOGY									
Is it the growing seasor	? YES	✓ NO							
Based On:	Soil Temp (record)				Wetland Hydrold	ogy Indicators:			
✓	Other (explain)		data from WF	RCC (2006)	Primary Indica				
Typical length:	130	Dave	5% =	6.5 days	1 minary maior	Inundat	od		
i ypicai ierigiri.	130	Days	370 -	0.5 days	-				
						_	ed Upper 12 I	incnes	
Recorded Data (descri						Water N			
	Stream, Lake, or Ti	ide Gauge				Drift Lin	es		
✓	Aerial Photographs	;				Sedime	nt Deposits		
	Other					Drainag	je Patterns in	Wetlands	
	None Available								
Field Observations:					Secondary Inc	dicators (2 or more i	required).		
	Surface Water:	none	inches		Occordary inc			es in Upper 12 I	inches
· ·	Standing Water in Pit:	>18	inches				Stained Leave		1101100
	Saturated Soil:	>18	inches				oil Survey Da		
							eutral Test		
							explain below)	
Wetland Hydrolog	ıv Present?		YES	✓ NO					
Remarks:	,,								
nemarks:									

11/1/2006 DP-4

SOILS Plot ID: DP-4

JOILS								F	10t 1D: DP-			
Map Unit Na	me (series and	phase):	Jabu stony sandy loa	m, mod. fine sub	soil, variant,	2-9% slopes	Drainage Class:	Well-drained				
Taxonomy (s	ubgroup):	Ultic Haplox	eralfs			Field observation	ons confirm mappe	d type?	✓ YES	□NO		
Is data point I	ocated within a	hydric inclus	ion?	YES 🗸	NO							
Profile Descr	ription											
						Re	edoximorphic Featu	res				
Horizon	Depth (inches)	Toytura	Structure	Matrix C		Abundance,	Type leastice	Color (moist)		Othor		
Horizon	(inches) 0-18	Texture vgrs	Structure	(mois	,	Size, Contrast	Type, location	Color (moist)		Other		
	0 10	vgis		10110	0/2	HOHE						
Libraria C-21	rdric Soil Indicators (check all that apply):											
Hyaric Soil Ir	naicators (check	all that apply	y):			☐ Mo or Eo (Concretions or Nod	ulee				
		Histic Epipe	don			_			ndv Soils			
		Sulfidic Odo				☐ High Organic Content in Surface Layer of Sandy Soils ☐ Organic Streaking in Sandy Soils						
Aquic Moisture Regime							National/Local Hydi					
Reducing Conditions (α , α - dipyridyl test)						Other (exp	olain below)					
		-	ow-Chroma (<u><</u> 1) ma									
	Matrix Chroma ≤2 with Redoximorphic Concentration					na/or Depletions	3					
	Iric Soils Present?											
Remarks:												
WETLAND	DETERMINA [*]	TION :										
Hydrophytic	c vegetation pre	sent?			✓ NO							
· ·	drology present	?			✓ NO							
Hydric soils	present?			YES	✓ NO	Is the sampling	ng point within a v	wetland?	YES	✓ NO		
Remarks:												
	Textur	e and Rocl	k Fragment Cont					rphic Feature	Morpho	logy		
cos - coarse sa	and	vfsl - very fine	sandy loam	gr - gravelly	ts	Abundance f - few	e	Type Fe-x - iron co	oncentration	(soft mass)		
s - sand		I - loam	•	vgr - very gravel	lly	c - commor	n	Fe-nc - iron i				
fs - fine sand		sil - silt loam		xgr - extremely	gravelly	m - many		-		entration (soft mass)		
vfs - very fine s lcos - loamy co	· · · · · · · · · · · · · · · · · · ·			V	Size Mn-nc - manganese nodule d - depletion			iule or concretion				
Is - loamy sand	l	cl - clay loam		xcb - extremely	•	1 - fine (<2r		· .				
lfs - loamy fine		sicl - silty clay		st - stony vst - very stony		2 - medium 3 - coarse (,	Location mat - soil matrix				

cosl - coarse sandy loam sl - sandy loam fsl - fine sandy loam

sic - silty clay xst - extremely stony c - clay

4 - very coarse (20–76mm) 5 - extremely coarse (>76mm)

Contrast f - faint

d - distinct

p - prominent

ped - ped surface

por - soil pores otr - other

11/1/2006 DP-4



DATA FORM

H 30 OBL	Jones	x Oton	Co		ROUTINE W	VETLAND DE	ETERMINATION	1			
Applicant/Owner: Placer County Department of Public Works C. Volgt, J. Dook Date: Do normal circumstances exist on the size? Is the size significantly disturbed (abyacial situation)? VES No Is the area a potential problem sea? If needed, explain below) VEGETATION Dominant Plant Species Strata % Rel. Cover Indicator Sorgues americanus Bencharia pauciflora H	Project/Site:		Kings Beach Com	nmercial Co	re Improveme	nt Project	State:	California			
Investigatoris C. Volgt, J. Cook		er:					County:	Placer			
Date: Odd-1906 Odd-19							- 1				
Do normality ID: Depressional Wetland Line site of the site of											
Is the set significantly disturbed (applied situation)?		cumstances			VES	NO	Community ID:	Depressional W	etland		
Is the area a potential problem area?				ion)?							
VEGETATION Dominant Plant Species Strata % Rel. Cover Indicator Associate Plant Species Strata % Rel. Cover Indicator Associate Plant Species Strata % Rel. Cover Indicator Scirpus americanus H 30 OBL OBL OBL OBL OBL OBL OBL OBL	Is the area a p	otential prob	olem area?		YES	✓ NO	Plot ID:	DP-5			
Dominant Plant Species Strata % Rel. Cover Indicator Associate Plant Species Strata % Rel. Cover Indicator Scripus americanus H 30 OBL	(If needed, e	explain belov	v)								
Billion Bill	VEGETAT	ION									
Percent of dominants that are OBL, FACW, or FAC (excluding FAC-): 100%	Dominant Pla	ant Species		Strata	% Rel. Cover	Indicator	Associate Plan	t Species	Strata	% Rel. Cover	Indicator
Percent of dominants that are OBL, FACW, or FAC (excluding FAC-): Morphological Adaptations	Scirpus americ	canus		Н	30	OBL					
Morphological Adaptations	Eleocharis pau	ıciflora		Н	70	OBL					
Morphological Adaptations											
Morphological Adaptations											
Morphological Adaptations											
Morphological Adaptations											
Morphological Adaptations											
Morphological Adaptations											
Morphological Adaptations	Percent of do	minante that	tare OBL_FACW_or	FAC (exclud	ling EAC-):	100%	•	Total yea	etation cover	80	%
Physiological/Reproductive Adaptations Technical Literature Other (explain below)	,	miniants that	are obe, i now, or	1 710 (CXCIGO	iiig i AO).	10070		rotal veg	Clation cover		70
HYDROLOGY Is it the growing season?		Physiologica Visual Obse	al/Reproductive Adap	ies Growing	in Areas of			Technical Literatu	re	al Plant Commu	nities
HYDROLOGY Si the growing season? YES NO	Hydronhy	utic Venets	ation Present?		✓ YES	NO					
HYDROLOGY Is it the growing season?		ytic veget	dion i resent:								
Based On: Soil Temp (record)	HYDROLO	OGY									
Based On:			YES	√ NO							
Other (explain) Typical length: 130 Days 5% = 6.5 days Inundated Saturated Upper 12 Inches Water Marks							Wetland Hydrol	logy Indicators:			
Typical length: 130 Days 5% = 6.5 days Inundated Saturated Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Drainage Patterns in Upper 12 Inches Water-Stained Leaves Depth to Saturated Soil:	24004 0	 ✓			data from WE	RCC (2006)	•				
Recorded Data (describe below): Saturated Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Depth of Surface Water: Depth to Standing Water in Pit: Depth to Saturated Soil: Depth to Saturated Soil: Depth to Saturated Soil: Water-Stained Leaves Depth depth of Surface Water: Depth to Saturated Soil: Water-Stained Leaves Depth depth of Surface Water: Depth to Saturated Soil: Water-Stained Leaves Depth depth of Surface Water Oxidized Rhizospheres in Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (explain below)	Typical longth		` ' '	Dave			1 minary maio	_	od		
Recorded Data (describe below): Stream, Lake, or Tide Gauge Aerial Photographs Other None Available Field Observations: Depth of Surface Water: Depth to Standing Water in Pit: Depth to Saturated Soil: None Available Secondary Indicators (2 or more required): Water Marks Drift Lines Sediment Deposits Orainage Patterns in Wetlands Secondary Indicators (2 or more required): Water-Stained Leaves Under Standing Water in Pit: Secondary Indicators (2 or more required): Under	Typical length		130	Days	370 -	0.5 days	_				
Stream, Lake, or Tide Gauge Aerial Photographs Other None Available Field Observations: Depth of Surface Water: Depth to Standing Water in Pit: Depth to Saturated Soil: None Available Secondary Indicators (2 or more required): Water-Stained Leaves Under Standing Water in Pit: Depth to Saturated Soil: None Wetland Hydrology Present? Drift Lines Sediment Deposits Oxidized Rhizospheres in Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (explain below)										ncnes	
Aerial Photographs Other None Available Field Observations: Depth of Surface Water: Depth to Standing Water in Pit: Depth to Saturated Soil: None Available Secondary Indicators (2 or more required): Water-Stained Leaves Under Standing Water in Pit: Depth to Saturated Soil: None Available Secondary Indicators (2 or more required): Water-Stained Leaves Under Stained Leaves Under St	Recorded Dat	_`_	,								
Other None Available Field Observations: Depth of Surface Water: Depth to Standing Water in Pit: Depth to Saturated Soil: Depth to Saturated Soil		_	Stream, Lake, or Tid	de Gauge				_	ies		
Field Observations: Depth of Surface Water: Depth to Standing Water in Pit: Depth to Saturated Soil: None None None None None None None No			Aerial Photographs						nt Deposits		
Field Observations: Depth of Surface Water: Depth to Standing Water in Pit: Depth to Saturated Soil: None Inches			Other					✓ Drainag	ge Patterns in	Wetlands	
Depth of Surface Water: none inches Depth to Standing Water in Pit: >18 inches Depth to Saturated Soil: Survey Data FAC-Neutral Test Other (explain below) Wetland Hydrology Present?			None Available								
Depth of Surface Water: none inches Depth to Standing Water in Pit: >18 inches Depth to Saturated Soil: Survey Data FAC-Neutral Test Other (explain below) Wetland Hydrology Present?	Field Observa	itions:					Secondary Inc	dicators (2 or more	required):		
Depth to Saturated Soil: Soil Survey Data FAC-Neutral Test Other (explain below) Wetland Hydrology Present? Ves No		Depth of Sur	rface Water:	none	inches					es in Upper 12 I	Inches
Depth to Saturated Soil: Depth to Saturated Soil: Soil Survey Data		•						=			
Wetland Hydrology Present?			-	>18	inches			Local S	oil Survey Da	ta	
Wetland Hydrology Present?			•		=			FAC-Ne	eutral Test		
								Other (explain below)	
Domesto.	Wetland H	ydrology I	Present?		✓ YES	NO					
Remarks:	Remarks:										

11/1/2006 DP-5

SOLLS Plot ID: DP-5

JUILJ								Г	וסנ וט: טף-	<u> </u>
Map Unit Nam	ne (series and	ohase):	Jabu stony sandy loa	m, mod. fine subs	oil, variant	, 2-9% slopes	Drainage Class:	Well-drained		
Taxonomy (sul	bgroup):	Ultic Haplox	eralfs			Field observation	ons confirm mappe	d type?	✓ YES	NO
Is data point lo	cated within a	hydric inclus	ion?	YES V	NO					
Profile Descrip										
						Re	edoximorphic Featu	res		
Horizon	Depth (inches)	Texture	Structure	Matrix Co (moist		Abundance, Size, Contrast	Type leastion	Color (moist)		Other
TIONZON	(inches)	sil	Structure	10YR 3		none	Type, location			Other
	4-18	sl		10YR 4		c,3,p	Fe-x, mat	5YR 3/4		
Hydric Soil Inc	dicators (check	all that apply	۸).							
Tryano don inc	alcators (criccit	Histosol	//·			Mn or Fe	Concretions or Nod	ules		
i		Histic Epipe	don			High Orga	inic Content in Surfa	ace Layer of Sar	ndy Soils	
		Sulfidic Odo	r			Organic S	treaking in Sandy S	Soils		
		Aquic Moist	ure Regime			Listed on I	National/Local Hydi	ric Soils List		
		J	onditions (α , α -	, , ,		✓ Other (exp	olain below)			
		•	ow-Chroma (<u><</u> 1) ma			al/an Danlatiana				
	L D 10	Matrix Chro	ma <2 with Redoxin	YES	NO NO	na/or Depletions	5			
Hydric Soil Remarks:	s Present?			<u> </u>						
WETLAND D										
Hydrophytic	vegetation pre	sent?			NO					
-	Irology present	?			NO				_	_
Hydric soils	present?			✓ YES	NO	Is the sampling	ng point within a	wetland?	✓ YES	NO
Data poi	nt is located	within a sec	diment catchment	basin with an	input (cu	llvert) and out	put (overflow drai	in).		
•	Textur	e and Rocl	k Fragment Cont					rphic Feature	Morpho	logy
Texture				Rock Fragment	s	Abundance	е	Туре		
cos - coarse san s - sand	nd	vfsl - very fine I - loam	e sandy loam	gr - gravelly vgr - very gravell	v	f - few c - commor	1	Fe-x - iron co		,
fs - fine sand		sil - silt loam		xgr - extremely g		m - many	•			entration (soft mass)
vfs - very fine sa		si - silt		cb - cobbly		01-		-	-	lule or concretion
lcos - loamy coa	rse sand	scl - sandy cla	ay ioam	vcb - very cobbly	obbly	Size d - depletion				

Is - loamy sand Ifs - loamy fine sand cl - clay loam sicl - silty clay loam xcb - extremely cobbly st - stony lvfs - loamy very fine sand sc - sandy clay vst - very stony cosl - coarse sandy loam sic - silty clay xst - extremely stony sl - sandy loam fsl - fine sandy loam c - clay

1 - fine (<2mm) 2 - medium 2–5mm)

3 - coarse (5-20mm)

4 - very coarse (20-76mm) 5 - extremely coarse (>76mm)

Contrast f - faint

d - distinct

DP-5

p - prominent

Location mat - soil matrix ped - ped surface por - soil pores otr - other

11/1/2006



DATA FORM

Jones & Stok	ces		ROUTINE W	/ETLAND DE	TERMINATION	I			
Project/Site:	Kings Beach Con	nmercial Co	re Improveme	nt Project	State:	California			
Applicant/Owner:	Placer County De	epartment of	f Public Works		County:	Placer			
Investigator(s):	C. Voigt, J. Cook				S/T/R	19/16N/18E			
Date:	09/19/06								
Do normal circumstances	exist on the site?		YES	NO	Community ID:	Ponderosa pine	woodland		
Is the site significantly dist	turbed (atypical situa	tion)?	YES	✓ NO	Transect ID:	DW-2			
Is the area a potential prol	YES	✓ NO	Plot ID:	DP-6					
(If needed, explain below	w)								
VEGETATION									
Dominant Plant Species		Strata	% Rel. Cover	Indicator	Associate Plan	t Species	Strata	% Rel. Cover	Indicator
Grindelia camporum		Н	30	FACU	Aster eatonii		Н	10	FAC
Melica fugax	elica fugax H 30 NL								
Aira caryophyllea		30	NL						

Percent of dominants that are OBL, FACW, or FAC (excluding FAC-): 0% Total vegetation cover 75 ☐ Morphological Adaptations ☐ Physiological/Reproductive Adaptations ☐ Visual Observation of Plant Species Growing in Areas of Personal Knowledge of Regional Plant Communities Technical Literature Other (explain below) Prolonged Inundation/Saturation YES ✓ NO **Hydrophytic Vegetation Present?** Remarks:

HYDROLOGY							
Is it the growing season?	YES	✓ NO					
Based On:	Soil Temp (record)				Wetland Hydrolo	gy Indicat	ors:
V	Other (explain)		data from W	RCC (2006)	Primary Indica	tors:	
Typical length: Recorded Data (describe	helow): Stream, Lake, or Ti Aerial Photographs	•	5% =	6.5 days			Inundated Saturated Upper 12 Inches Water Marks Drift Lines Sediment Deposits
	Other None Available						Drainage Patterns in Wetlands
Field Observations:					Secondary Indi	icators (2	or more required):
Depth of St	urface Water:	none	inches				Oxidized Rhizospheres in Upper 12 Inches
II	tanding Water in Pit:	>12	inches				Water-Stained Leaves
Depth to Sa	aturated Soil:	>12	inches				Local Soil Survey Data
						H	FAC-Neutral Test
						Ш	Other (explain below)
Wetland Hydrology	Present?		YES	✓ NO			
Remarks:							

11/1/2006 DP-6 SOILS Plot ID: DP-6

SUILS								Г	אס-אם :עו זטוי		
Map Unit Na	ame (series and	phase):	Jabu stony sandy loa	am, mod. fine sub	osoil, variar	nt, 2-9% slopes	Drainage Class:	Well-drained			
Taxonomy (s	subgroup):	Ultic Haplox	ceralfs			Field observati	ons confirm mappe	ed type?	✓ YES	NO	
Is data point	located within a	hydric inclu	sion?	YES ✓	NO						
Profile Desc	cription										
						Re	edoximorphic Featu	ires			
Horizon	Depth (inches)	Texture	Structure	Matrix C (mois		Abundance, Size, Contrast	Type, location	Color (moist)		Other	
TIONZON	0-12	grsl	Otractare	7.5YR		none				Other	
Hydric Soil I	ndicators (chec	k all that app	ly):								
,		Histosol	,			Mn or Fe	Concretions or Noc	lules			
		Histic Epipe	edon				nic Content in Surf	-	andy Soils		
		Sulfidic Odd					treaking in Sandy S				
		Aquic Moist	ure Regime onditions (α , α '	dipuridul toot)			National/Local Hyd olain below)	ric Soils List			
			ow-Chroma (<u><</u> 1) m			Other (exp	Diairi below)				
	Matrix Chroma ≤2 with Redoximorphic Concentration						าร				
Hydric Sc	ils Present?			YES	✓ NO						
Remarks:											
WETLAND	DETERMINA	TION:									
Hydrophyti	ic vegetation pre	esent?		YES	✓ NO						
Wetland hy	ydrology presen	t?		YES	✓ NO						
Hydric soil:	•			YES	✓ NO	Is the sampling	ng point within a v	wetland?	YES	✓ NO	
	Textur	e and Roc	k Fragment Con	tent			Redoximo	rphic Feature	Morpholo	gy	
Texture				Rock Fragmen	ts	Abundance Type					
cos - coarse sa s - sand	and	vfsl - very find	e sandy loam	gr - gravelly vgr - very grave	llv	f - few c - common			oncentration (nodule or con		
fs - fine sand	0 ,0 ,						•			ntration (soft mass)	
vfs - very fine		si - silt	av loam	cb - cobbly	v	Size				le or concretion	
ls - loamy sand	loamy coarse sand scl - sandy clay loam vcb - very cobbly										

Ifs - loamy fine sand sicl - silty clay loam st - stony lvfs - loamy very fine sand sc - sandy clay vst - very stony cosl - coarse sandy loam sic - silty clay xst - extremely stony sl - sandy loam fsl - fine sandy loam c - clay

2 - medium 2-5mm) 3 - coarse (5-20mm) 4 - very coarse (20-76mm)

5 - extremely coarse (>76mm)

Contrast f - faint d - distinct

DP-6

p - prominent

Location mat - soil matrix ped - ped surface por - soil pores otr - other

11/1/2006



DATA FORM ROUTINE WETLAND DETERMINATION

Jones & Blok	C3		ROUTINE W	ETLAND DE	TERMINATION						
Project/Site:	Kings Beach Com	nmercial Co	re Improveme	nt Project	State:	California					
Applicant/Owner:	Placer County De	partment of	Public Works		County:	Placer					
Investigator(s):	C. Voigt, J. Cook				S/T/R	19/16N/18E					
Date:	09/20/06										
Do normal circumstances e	xist on the site?		✓ YES	NO	Community ID:	Depressional W	etland				
Is the site significantly distu	rbed (atypical situat	ion)?	YES	✓ NO	Transect ID:	DW-4	Sional Wetland				
Is the area a potential probl	em area?		YES	✓ NO	Plot ID:	DP-7					
(If needed, explain below))										
VEGETATION											
Dominant Plant Species	-	Strata	% Rel. Cover	Indicator	Associate Plant	Species	Strata	% Rel. Cover	Indicator		
Juncus balticus		Н	35	OBL							

Eleocharis pauciflora OBL 20 Leymus triticoides Н 25 FAC+ Aira caryophyllea Н 20 NL Percent of dominants that are OBL, FACW, or FAC (excluding FAC-): 75% Total vegetation cover 60 ☐ Morphological Adaptations ☐ Physiological/Reproductive Adaptations ☐ Visual Observation of Plant Species Growing in Areas of Personal Knowledge of Regional Plant Communities Technical Literature Other (explain below) Prolonged Inundation/Saturation ✓ YES NO **Hydrophytic Vegetation Present?** Remarks:

HYDROLOGY

HIDROLOGI							
Is it the growing season?	YES	✓ NO					
Based On:	Soil Temp (record)				Wetland Hydrolo	gy Indicat	ors:
▽	Other (explain)		data from W	RCC (2006)	Primary Indica	itors:	
Typical length:	130	Days	5% =	6.5 days			Inundated
							Saturated Upper 12 Inches
Recorded Data (describe	e below):						Water Marks
	Stream, Lake, or T	ide Gauge					Drift Lines
V	Aerial Photographs	5				✓	Sediment Deposits
	Other					✓	Drainage Patterns in Wetlands
	None Available						
Field Observations:					Secondary Indi	icators (2	or more required):
Depth of S	Surface Water:	none	inches		-		Oxidized Rhizospheres in Upper 12 Inches
Depth to S	standing Water in Pit:	>12	inches				Water-Stained Leaves
Depth to S	Saturated Soil:	>12	inches				Local Soil Survey Data
							FAC-Neutral Test
							Other (explain below)
Wetland Hydrology	Present?		✓ YES	☐ NO			
Remarks:							

11/1/2006 DP-7

SUILS							P	lot ID: DP-7
Map Unit Name (series	and phase):	Jabu stony sandy loa	am, mod. fine subs	soil, variant	, 2-9% slopes	Drainage Class:		
Taxonomy (subgroup):	Ultic Haplo	xeralfs			Field observati	ons confirm mappe	d type?	✓ YES NO
s data point located wit	hin a hvdric inclu	sion?	☐ YES ✓ I	NO				
Profile Description								
					Re	edoximorphic Featu	ires	
Depth			Matrix Co		Abundance,			
Horizon (inches	s) Texture	Structure	(moist	,	Size, Contrast	Type, location	Color (moist)	Other
1-12	vgrsl		101K 3		none			
Hudria Cail Indiantara (shook all that ann	h.A.						
Hydric Soil Indicators (Histosol	ıy <i>)</i> .			Mn or Fe i	Concretions or Nod	ules	
	Histic Epipe	edon			_	nic Content in Surfa		ndy Soils
	Sulfidic Od					treaking in Sandy S	-	
	Aquic Mois	ture Regime			Listed on	National/Local Hydi	ric Soils List	
		Conditions (α , α -			Other (exp	olain below)		
		.ow-Chroma (<u><</u> 1) ma		to a tila	- d/ D - 1 ''			
		oma <2 with Redoxin	norphic Concen	trations ar	na/or Depletions	5		
Hydric Soils Prese	nt?		△ AE2	□ NO				
ETLAND DETERM	IINATION :							
Hydrophytic vegetatio	n present?		✓ YES [NO				
Wetland hydrology pre	esent?		✓ YES [NO				
Hydric soils present?			✓ YES	NO	Is the sampling	ng point within a v	wetland?	✓ YES NO
Remarks: Data point is loca south end of the l		diment detention b	oasin with an ir	nput (culv	vert) at the nor	th end of the bas	in and an outp	ut (overflow drain) at the
	exture and Roc	k Fragment Con					rphic Feature	Morphology
exture os - coarse sand	vfsl - vary fin	e sandy loam	gr - gravelly	S	Abundance f - few	е	Type Fe-x - iron o	oncentration (soft mass)
- sand	I - Ioam	o candy roun	vgr - very gravell	у	c - commor	n		nodule or concretion
s - fine sand fs - very fine sand	sil - silt loam si - silt		xgr - extremely g cb - cobbly	ravelly	m - many		-	panese concentration (soft mass) ganese nodule or concretion
cos - loamy coarse sand	scl - sandy c	lay loam	vcb - very cobbly	,	Size		d - depletion	•
					4 6 7 =		-	

cl - clay loam sicl - silty clay loam ls - loamy sand xcb - extremely cobbly Ifs - loamy fine sand st - stony lvfs - loamy very fine sand cosl - coarse sandy loam vst - very stony xst - extremely stony sc - sandy clay sic - silty clay sl - sandy loam fsl - fine sandy loam c - clay

1 - fine (<2mm) 2 - medium 2–5mm)

3 - coarse (5-20mm)

4 - very coarse (20-76mm) 5 - extremely coarse (>76mm)

Contrast f - faint

d - distinct

p - prominent

Location mat - soil matrix ped - ped surface

por - soil pores otr - other

11/1/2006 DP-7



DATA FORM ROUTINE WETLAND DETERMINATION

,			NOOTHIL V	TETER (NO DE	-1-111111111111111111111111111111111111				
Project/Site:	Kings Beach Con	nmercial Co	re Improveme	nt Project	State:	California			
Applicant/Owner:	Placer County De	partment of	f Public Works		County:	Placer			
Investigator(s):	C. Voigt, J. Cook				S/T/R	19/16N/18E			
Date:	09/20/06								
Do normal circums	tances exist on the site?		✓ YES	NO	Community ID:	Ruderal			
Is the site significar	ntly disturbed (atypical situa	tion)?	YES	✓ NO	Transect ID:	DW-4			
Is the area a potent			YES	✓ NO	Plot ID:	DP-8			
(If needed, explai	in below)								
VEGETATION									
Dominant Plant S	pecies	Strata	% Rel. Cover	Indicator	Associate Plant	Species	Strata	% Rel. Cover	Indicator
Elytrigia repens	•	Н	100	NI*		•			
Percent of domina	nts that are OBL, FACW, or	FAC (exclud	ling FAC-):	0%		Total veg	etation cover	75	%
Phys	hological Adaptations iological/Reproductive Adap al Observation of Plant Spec trolonged Inundation/Satura	cies Growing	in Areas of			Personal Knowled Technical Literatu Other (explain bel	re	al Plant Commu	nities
Hydronhytic \	Vegetation Present?		YES	✓ NO					
Remarks:	rogotation i roconti								
HYDROLOGY									
Is it the growing sea	ason? YES	✓ NO							
Based On:	Soil Temp (record)				Wetland Hydrold	ogy Indicators:			
✓	Other (explain)		data from WR	CC (2006)	Primary Indica				
Typical length:	130	Days	5% =	6.5 days		Inundat	ed		
Typical longin.	100	Dayo	070 -	o.o dayo	†		ed Upper 12 I	nches	
Recorded Data (de	scribe below):					Water N			
Trecorded Bala (do	Stream, Lake, or Ti	de Caude				Drift Lin			
√		•					nt Deposits		
	1						•	Watlanda	
	Other					Diamag	e Patterns in	vveilanus	
	None Available				-				
Field Observations					Secondary Inc	licators (2 or more	. ,		
	h of Surface Water:	none	inches				-	es in Upper 12 I	nches
-	h to Standing Water in Pit: h to Saturated Soil:	>10 >10	inches inches				Stained Leave oil Survey Da		
Бери	ii lo Saluraleu Soli.	>10	Illones				eutral Test	ıa	
							explain below)	
Wetland Hydro	ology Present?		YES	✓ NO		27.57			
Remarks:			_						

11/1/2006 DP-8

SOLLS Plot ID: DP-8

SUILS								г	ישו זטו זטו	· o	
Map Unit Na	me (series and	phase):	Jabu stony sandy loa	m, mod. fine subs	soil, variant	, 2-9% slopes	Drainage Class:	Well-drained			
Taxonomy (s	subgroup):	Ultic Haplox	eralfs			Field observati	ons confirm mappe	d type?	✓ YES	□NO	
Is data point	located within a	hydric inclus	ion?	YES 🗸	NO						
Profile Desc	ription										
						Re	edoximorphic Featu	ires			
		1									
Horizon	Depth (inches)	Texture	Structure	Matrix C (moist		Abundance, Size, Contrast	Type, location	Color (moist)		Other	
110112011	0-10	xgrsl	Structure	10YR 3	<u> </u>	none				Other	
		ŭ									
Hydric Soil II	ndicators (check	all that appl	y):								
, 25 00.11		Histosol	,,			Mn or Fe	Concretions or Nod	ules			
		Histic Epipe	don			_	anic Content in Surf		ndy Soils		
		Sulfidic Odd	or				treaking in Sandy S				
	Aquic Moisture Regime						National/Local Hyd	ric Soils List			
	Reducing Conditions (α , α - dipyridyl test)						olain below)				
		-	ow-Chroma (<u><</u> 1) ma ma <u><</u> 2 with Redoxin		trations	nd/or Donlations					
Hydria C-	ile Present?	iviatrix Chro	ına <u>s</u> z willi Kedoxir	norphic Concen	trations ar ✓ NO	iu/oi Depletions)				
Remarks:	oils Present?										
	refusal at a de	oth of 10" o	lue to gravel and	cobbles							
WETI AND	DETERMINA [*]	TION ·									
	c vegetation pre			YES	✓ NO						
	drology present				✓ NO						
Hydric soils					✓ NO	Is the sampling	ng point within a	wetland?	YES	✓NO	
Remarks:	•			LILO	. INO	.c the sumpli	-3 Pont Within a				
	Textur	e and Roc	k Fragment Cont					rphic Feature	Morpho	logy	
Texture	d	idal i		Rock Fragment	s	Abundanc	e	Type		(act mass)	
cos - coarse sa s - sand	and	vfsl - very fine	e sandy Ioam	gr - gravelly vgr - very gravell	ly	f - few c - commor	n	Fe-x - iron co		, ,	
fs - fine sand		sil - silt loam		xgr - extremely g		m - many				centration (soft mass)	
vfs - very fine s		si - silt		cb - cobbly		01:				dule or concretion	
lcos - loamy co		scl - sandy cl cl - clay loam	•	vcb - very cobbly xcb - extremely of		1 - fine (<2)	mm)	d - depletion			
Ifs - loamy fine		sicl - silty clay		st - stony		1 - fine (<2mm) 2 - medium 2–5mm) Location			1		

lvfs - loamy very fine sand cosl - coarse sandy loam sc - sandy clay sic - silty clay vst - very stony xst - extremely stony sl - sandy loam c - clay fsl - fine sandy loam

3 - coarse (5–20mm) 4 - very coarse (20–76mm) 5 - extremely coarse (>76mm)

Contrast f - faint

d - distinct

p - prominent

mat - soil matrix ped - ped surface por - soil pores otr - other

11/1/2006 DP-8

Appendix B Species List

Appendix B. Plant Species Observed in Delineation Study Area

Abies concolor Aira caryophyllea Aira caryophyllea Aira caryophyllea Aira caryophyllea Aira caryophyllea Anus incana ssp. tenuifolia Archenatherum elatius Tall oatgrass FACU Arctostaphylos sp. Manzanita NA Artemisia douglasiana Mugwort FACW Aster eatonii Eaton's aster FAC Calocedrus decurrens Incense cedar NI Carex amplifolia Big-leaf sedge OBL Cornus sericea ssp. sericea [Cornus stolonifera] Dactylis glomerata Orchard grass FACU Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Eleymus elymoides [Sitanion hystrix] Elytrigia repens [Agropyron repens] Elytrigia repens [Agropyron repens] Common scouring rush FACU Juncus balticus Baltic rush OBL Juncus macrandus Juncus macrandus Juncus macrandus Long-anthered rush OBL Juncus macrandus Lepidium campestre Lepidium campestre Elymus triticoides [Pymus triticoides] Creping wild-rye FACU Elymus leffreyi Birds-fot trefoil FAC Lupinus leffreyi Ponderosa Pondero	Scientific Name	Common Name	Indicator Status ^a
Alnus incana ssp. tenuifolia Mountain alder NI Arrhenatherum elaitus Tall oatgrass FACU Arctostaphylos sp. Manzanita NA Artemisia douglasiana Mugwort FACW Aster eatonii Eaton's aster FAC Calocedrus decurrens Incense cedar NI Carex amplifolia Big-leaf sedge OBL Cornus sericea ssp. sericea [Cornus stolonifera] American dogwood FACW Dactylis glomerata Orchard grass FACU Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Edyris lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elymus lalicush Baltic rush OBL <	Abies concolor	White fir	NI
Arrhenatherum elatius Archenatherum elatius Arctostaphylos sp. Manzanita NA Artemisla douglasiana Mugwort FACW Aster eatonii Eaton's aster FAC Calocedrus decurrens Incense cedar NI Carex amplifolia Big-leaf sedge OBL Cornus sericea sps. sericea [Cornus stolonifera] American dogwood FACW Deschampsia danthonioides Annual hairgrass FACU Deschampsia danthonioides Annual hairgrass FACU Deschampsia danthonioides Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Elymus elymoides [Sitanion hystrix] Elymus lanceolatus sps. lanceolatus [Agropyron dasystachyum] Flytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACU Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus xiphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus latifiolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus jeffreyi Jeffreyi Jeffreyi Jeffrey pine NI Pinus ponderosa Ponderosa pine FACU Polygonum douglasii Poulus termuloides [Populus tremula] Quaking aspen FACH Rosa woodsii var. ultramontana Mountain Rose FAC- Rubus parvillorus Salix lucida var. lasiandra Yellow willow OBL Scirpus americanus American bulrush OBL	Aira caryophyllea	Silver hairgrass	NI
Arctostaphylos sp. Artemisia douglasiana Artemisia douglasiana Mugwort FACW Aster eatonii Eaton's aster FAC Calocedrus decurrens Incense cedar NI Carex amplifolia Big-leaf sedge OBL Cornus sericea sps. sericea [Cornus stolonifera] American dogwood FACW Dactylis glomerata Deschampsia danthonioides Annual hairgrass FACU Eleocharis pauciflora Elymus elymoides [Sitanion hystrix] Elymus elymoides [Sitanion hystrix] Elymus elymoides [Sitanion hystrix] Elytirgia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACU Juncus mexicanus Baltic rush OBL Juncus mexicanus Juncus mexicanus Mexican rush FACW Juncus xiphioides Iris-leaved rush OBL Lepidium campestre Lepidium campestre Letymus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus ponderosa Populus tremuloides [Populus tremula] Populus balsnifera ssp. trichocarpa Populus tremuloides [Populus tremula] Quaking aspen FACC Rosa woodsii var. ultramontana Mountain Rose FAC- Rubs pamericanus NI Salix lutea Selic willow NI Salix lutea American bulrush OBL	Alnus incana ssp. tenuifolia	Mountain alder	NI
Artemisia douglasiana Aster eatonii Eaton's aster FAC Calocedrus decurrens Incense cedar NI Carex amplifolia Cornus sericea ssp. sericea [Cornus stolonifera] Dactylis glomerata Deschampsia danthonioides Annual hairgrass Eleocharis pauciflora Elymus elymoides [Sitanion hystrix] Elymus elymoides [Sitanion hystrix] Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Elymigia repens [Agropyron repens] Common scouring rush FACW Juncus balticus Baltic rush DBL Juncus macrandus Juncus macrandus Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Leymus triticoides [Elymus triticoides] Pracy Populus triticoides [Populus tremula] Propulus balsamifera ssp. trichocarpa Populus balsindra Positicus Policy willow Policy americanus Praced Policy willow Policy americanus Procumencan operator Policy willow Policy americanus Procumencan operator Pact	Arrhenatherum elatius	Tall oatgrass	FACU
Aster eatonii Eaton's aster FAC Calocedrus decurrens Incense cedar NI Carex amplifolia Big-leaf sedge OBL Cornus sericea ssp. sericea [Cornus stolonifera] American dogwood FACW Dactylis glomerata Orchard grass FACU Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirrettail FACU- Elymus elymoides [Sitanion hystrix] Squirrettail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Elytrigia repens [Agropyron repens] Common scouring rush FACW Grindelia camporum Common sumplant FACU Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus xiphioides Enjumus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lotus comiculatus Birdsfoot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus peffreyi Jeffrey ine NI Pinus ponderosa Populus temuloides [Populus tremula] Quaking aspen FAC+ Rosa woodsii var. ultramontana Mountain Rose FAC- Rubus parviflorus FAC+ Salix lucida var. lasiandra Pacific willow NII Salix lutea Yellow willow OBL	Arctostaphylos sp.	Manzanita	NA
Calocedrus decurrens Incense cedar NI Carex amplifolia Big-leaf sedge OBL Cornus sericea ssp. sericea [Cornus stolonifera] American dogwood FACW Dactylis glomerata Orchard grass FACU Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Grindelia camporum Common scouring rush FACW Grindelia camporum Common scouring rush FACW Juncus macrandus Long-anthered rush OBL Juncus macrandus Long-anthered rush OBL Juncus macrandus Mexican rush FACW Juncu	Artemisia douglasiana	Mugwort	FACW
Carex amplifolia Big-leaf sedge OBL Cornus sericea ssp. sericea [Cornus stolonifera] American dogwood FACW Dactylis glomerata Orchard grass FACU Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Grindelia camporum Common gumplant FACW Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus siphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lotus corniculatus Birdsfoot trefoil FAC Lupinus latifolius	Aster eatonii	Eaton's aster	FAC
Cornus sericea ssp. sericea [Cornus stolonifera] American dogwood FACW Dactylis glomerata Orchard grass FACU Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Grindelia camporum Common gumplant FACU Juncus balticus Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus xiphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lotus corniculatus Birdsfot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus ponderosa Polygonum douglasii Douglas' knotweed FACU Populus balsamifera ssp. trichocarpa Black cottonwood FACW Populus tremuloides [Populus tremula] Quaking aspen FAC+ Rosa woodsii var. ultramontana Mountain Rose FAC- Rubus parviflorus Thimbleberry FAC+ Salix lucida var. lasiandra Pacific willow NI Salix lutea Yellow willow OBL	Calocedrus decurrens	Incense cedar	NI
Dactylis glomerata Orchard grass FACU Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Grindelia camporum Common gumplant FACW Grindelia camporum Common gumplant FACU Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus xiphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lotus corniculatus Birdsfoot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass	Carex amplifolia	Big-leaf sedge	OBL
Dactylis glomerata Orchard grass FACU Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Grindelia camporum Common gumplant FACW Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus mexicanus Mexican rush OBL Juncus xiphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lous corniculatus Birdsfoot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass	Cornus sericea ssp. sericea [Cornus stolonifera]	American dogwood	FACW
Deschampsia danthonioides Annual hairgrass FACW Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Grindelia camporum Common gumplant FACW Juncus balticus Baltic rush OBL Juncus mexicanus Mexican rush OBL Juncus mexicanus Mexican rush OBL Juncus xiphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lotus corniculatus Birdsfoot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus ponderosa Ponderosa pine FACU Polygonum douglasii Douglas' knotweed		-	FACU
Eleocharis pauciflora Fewflower spikerush OBL Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Common gumplant FACU Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus xiphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lotus corniculatus Birdsfoot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus jeffreyi Jeffrey pine NI Pinus ponderosa Ponderosa pine FACU Populus balsamifera ssp. trichocarpa Black cottonwood FACW <t< td=""><td></td><td>-</td><td>FACW</td></t<>		-	FACW
Elymus elymoides [Sitanion hystrix] Squirreltail FACU- Elymus lanceolatus ssp. lanceolatus [Agropyron dasystachyum] Thickspike wheatgrass NI Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Grindelia camporum Common gumplant FACU Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus mexicanus Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lotus corniculatus Birdsfoot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus penderosa Ponderosa pine NI Pinus ponderosa Ponderosa pine FACU Populus balsamifera ssp. trichocarpa Black cottonwood FACW Populus tremuloides [Populus tremula] Quaking aspen FAC- Rosa woodsii var. ultramontana	·	-	OBL
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Elytrigia repens [Agropyron repens] Quackgrass NI Equisetum hymemale Common scouring rush FACW Grindelia camporum Common gumplant FACU Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus xiphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lotus corniculatus Birdsfoot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus jeffreyi Jeffrey pine NI Pinus ponderosa Ponderosa pine FACU Polygonum douglasii Douglas' knotweed FACU Populus balsamifera ssp. trichocarpa Black cottonwood FACW Populus tremuloides [Populus tremula] Quaking aspen FAC+ Rosa woodsii var. ultramontana Mountain Rose FAC- Rubus parviflorus Thimbleberry FAC+ <		Thickspike wheatgrass	NI
Equisetum hymemale Common scouring rush FACW Grindelia camporum Common gumplant FACU Juncus balticus Baltic rush OBL Juncus macrandus Long-anthered rush OBL Juncus mexicanus Mexican rush FACW Juncus xiphioides Iris-leaved rush OBL Lepidium campestre English pepper grass NI Leymus triticoides [Elymus triticoides] Creeping wild-rye FAC+ Lous corniculatus Birdsfoot trefoil FAC Lupinus latifolius Broad-leaf lupine NI Melica fugax Small oniongrass NI Pinus peffreyi Jeffrey pine NI Pinus ponderosa Ponderosa pine FACU Polygonum douglasii Douglas' knotweed FACU Populus balsamifera ssp. trichocarpa Black cottonwood FACW Populus tremuloides [Populus tremula] Quaking aspen FAC+ Rosa woodsii var. ultramontana Mountain Rose FAC- Rubus parviflorus Thimbleberry FAC+ Salix lucida var. lasiandra Pacific willow NI		i	NI
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Pinus jeffreyiJeffrey pineNIPinus ponderosaPonderosa pineFACUPolygonum douglasiiDouglas' knotweedFACUPopulus balsamifera ssp. trichocarpaBlack cottonwoodFACWPopulus tremuloides [Populus tremula]Quaking aspenFAC+Rosa woodsii var. ultramontanaMountain RoseFAC-Rubus parviflorusThimbleberryFAC+Salix lucida var. lasiandraPacific willowNISalix luteaYellow willowOBLScirpus americanusAmerican bulrushOBL	Melica fugax	Small oniongrass	NI
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Rosa woodsii var. ultramontana Mountain Rose FAC- Rubus parviflorus Thimbleberry FAC+ Salix lucida var. lasiandra Pacific willow NI Salix lutea Yellow willow OBL Scirpus americanus American bulrush OBL	Populus balsamifera ssp. trichocarpa	Black cottonwood	FACW
Rubus parviflorusThimbleberryFAC+Salix lucida var. lasiandraPacific willowNISalix luteaYellow willowOBLScirpus americanusAmerican bulrushOBL	Populus tremuloides [Populus tremula]	Quaking aspen	FAC+
Salix lucida var. lasiandra Pacific willow NI Salix lutea Yellow willow OBL Scirpus americanus American bulrush OBL	Rosa woodsii var. ultramontana	- ·	FAC-
Salix lucida var. lasiandra Pacific willow NI Salix lutea Yellow willow OBL Scirpus americanus American bulrush OBL	Rubus parviflorus	Thimbleberry	FAC+
Scirpus americanus American bulrush OBL		•	
Scirpus americanus American bulrush OBL	Salix lutea	Yellow willow	OBL
Scirpus microcarpus Small-fruited bulrush OBL	Scirpus americanus		OBL
	Scirpus microcarpus	Small-fruited bulrush	OBL
Tanacetum vulgare Common tansy NI	Tanacetum vulgare	Common tansy	NI

^a Wetland indicator status obtained from Reed (1988).

Appendix C Representative Photographs



Depressional Wetland #1



Depressional Wetland #2

06676.06 001 (10/06)

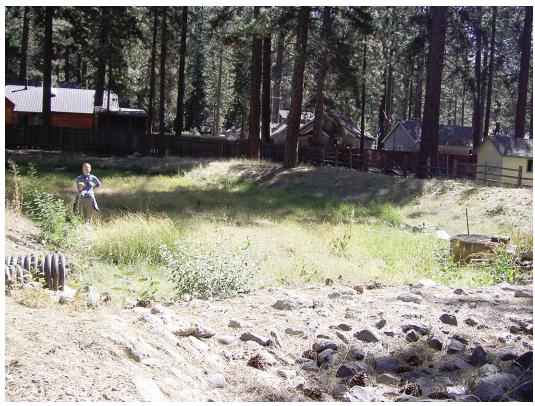


Depressional Wetland #3



Depressional Wetland #4

06676.06 001 (10/06)





Depressional Wetland #6

06676.06 001 (10/06)



Depressional Wetland #7



Intermittent Drainage Photo #1



Intermittent Drainage Photo #2

06676.06 004 (10/06)



Intermittent Drainage Photo #3



Intermittent Drainage Photo #4

06676.06 004 (10/06)



SP-1a Griff Creek



SP-1b Griff Creek



SP-1b Oxbow Bend

U.S. Army Corps of Engineers Verification Letter

DEPARTMENT OF THE ARMY

U.S. ARMY ENGINEER DISTRICT, SACRAMENTO CORPS OF ENGINEERS 1325 J STREET SACRAMENTO, CALIFORNIA 95814-2922

REPLY TO

February 26, 2007

Regulatory Branch (200600998)

Dan LaPlante
Placer County Department of Public Works
Pioneer Commerce Center
10825 Pioneer Trail
Suite 105
Truckee, California 96161

Dear Mr. LaPlante:

We are responding to your consultant's request for an approved jurisdictional determination for the Kings Beach Commercial Core Improvement project. This approximately 74.8-acre site is located adjacent to Lake Tahoe in Sections 13 and 19 on the Kings Beach 7.5 minute USGS quadrangle, Placer County, California.

Based on available information, we concur with the estimate of waters of the United States, as depicted on the October 2006 maps ("Exhibit A", sheets 1, 2 and 3; enclosed) prepared by Jones and Stokes. Approximately 0.719 acres of waters of the United States, including wetlands, are present within the survey area. These waters are regulated under Section 404 of the Clean Water Act. In addition, Lake Tahoe is regulated under Section 10 of the Rivers and Harbors Act. Lake Tahoe is a navigable waterway and the other features are either tributary to the Lake, or adjacent to a tributary.

This verification is valid for five years from the date of this letter, unless new information warrants revision of the determination before the expiration date. This letter contains an approved jurisdictional determination for your subject site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the South Pacific Division Office at the following address: Doug Pomeroy, Administrative Appeal Review Officer, Army Corps of Engineers, South Pacific Division, CESPD-PDS-O, 333 Market Street, Room 923, San Francisco, California 94105-2195, Telephone: 415-977-8035 FAX: 415-977-8129.

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division Office within 60 days of the NAP. Should you decide to submit an RFA form, it must be received at the above address by May 21, 2007. It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this letter.

You should provide a copy of this letter and notice to all other affected parties, including any individual who has an identifiable and substantial legal interest in the property. s request.

Please refer to identification number 200600998 in any correspondence concerning this project. If you have any questions, please contact Ms. Kathleen Dadey at our Nevada Regulatory Office, C. Clifton Young Federal Building, 300 Booth Street, Room 2103, Reno, Nevada 89509-1361, email *kathleen.a.dadey@usace.army.mil*, or telephone 775-784-5305. You may also find additional information on our website: www.spk.usace.army.mil/regulatory.html.

Sincerely,

CALCINA

Ms. Kathleen Dadey Acting Office Chief Reno Office

Enclosure(s)

Copy furnished without enclosure(s):

Mary Fiore-Wagner, California Regional Water Quality Control Board, Lahontan Region, 2501 Lake Tahoe Boulevard, South Lake Tahoe, California 96150-7747

Tobi Tyler, California Regional Water Quality Control Board, Lahontan Region, 2501 Lake Tahoe Blvd., South Lake Tahoe, California 96150-7747

U.S. Fish and Wildlife Service, Wetlands Branch, 2800 Cottage Way, Suite W2605, Sacramento, California 95825-3901

U.S. Fish and Wildlife Service, Endangered Species Division, 2800 Cottage Way, Suite W2605, Sacramento, California 95825-3901

Mary Hays, California State Lands Commission, 100 Howe Ave., Ste. 100 South, Sacramento, California 95825-8202